



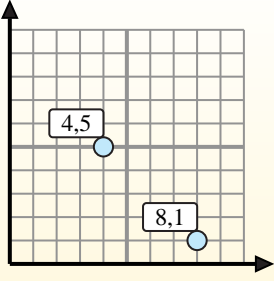
Find the midpoint of the set of coordinates.

Midpoint Formula

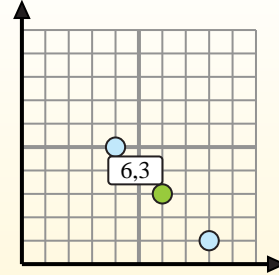
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

To find the midpoint of the coordinates (4,5) and (8,1), plug the values into the midpoint formula.

$$\frac{4 + 8}{2}, \frac{5 + 1}{2}$$



The midpoint is at (6,3).



Answers

- 1) (5, 7) & (4, 5)
- 2) (2, 10) & (2, 10)
- 3) (1, 7) & (6, 6)
- 4) (10, 2) & (4, 7)
- 5) (5, 3) & (7, 0)
- 6) (3, 8) & (0, 0)
- 7) (1, 9) & (3, 7)
- 8) (8, 10) & (6, 4)
- 9) (5, 3) & (8, 8)
- 10) (4, 6) & (2, 1)
- 11) (9, 9) & (8, 9)
- 12) (0, 6) & (6, 10)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
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8. _____
9. _____
10. _____
11. _____
12. _____



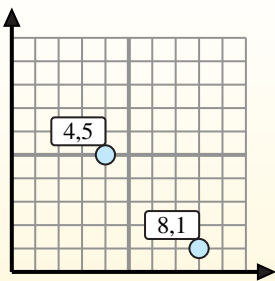
Find the midpoint of the set of coordinates.

Midpoint Formula

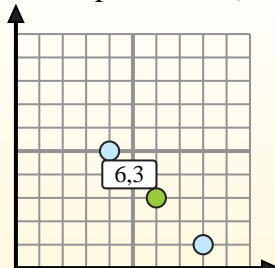
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

To find the midpoint of the coordinates (4,5) and (8,1), plug the values into the midpoint formula.

$$\frac{4 + 8}{2}, \frac{5 + 1}{2}$$



The midpoint is at (6,3).



Answers

- 1) $(5, 7) \& (4, 5) \left(\frac{5+4}{2}, \frac{7+5}{2} \right) = (4.5, 6)$
- 2) $(2, 10) \& (2, 10) \left(\frac{2+2}{2}, \frac{10+10}{2} \right) = (2, 10)$
- 3) $(1, 7) \& (6, 6) \left(\frac{1+6}{2}, \frac{7+6}{2} \right) = (3.5, 6.5)$
- 4) $(10, 2) \& (4, 7) \left(\frac{10+4}{2}, \frac{2+7}{2} \right) = (7, 4.5)$
- 5) $(5, 3) \& (7, 0) \left(\frac{5+7}{2}, \frac{3+0}{2} \right) = (6, 1.5)$
- 6) $(3, 8) \& (0, 0) \left(\frac{3+0}{2}, \frac{8+0}{2} \right) = (1.5, 4)$
- 7) $(1, 9) \& (3, 7) \left(\frac{1+3}{2}, \frac{9+7}{2} \right) = (2, 8)$
- 8) $(8, 10) \& (6, 4) \left(\frac{8+6}{2}, \frac{10+4}{2} \right) = (7, 7)$
- 9) $(5, 3) \& (8, 8) \left(\frac{5+8}{2}, \frac{3+8}{2} \right) = (6.5, 5.5)$
- 10) $(4, 6) \& (2, 1) \left(\frac{4+2}{2}, \frac{6+1}{2} \right) = (3, 3.5)$
- 11) $(9, 9) \& (8, 9) \left(\frac{9+8}{2}, \frac{9+9}{2} \right) = (8.5, 9)$
- 12) $(0, 6) \& (6, 10) \left(\frac{0+6}{2}, \frac{6+10}{2} \right) = (3, 8)$

1. (4.5, 6)
2. (2, 10)
3. (3.5, 6.5)
4. (7, 4.5)
5. (6, 1.5)
6. (1.5, 4)
7. (2, 8)
8. (7, 7)
9. (6.5, 5.5)
10. (3, 3.5)
11. (8.5, 9)
12. (3, 8)